COLOR-STABILIZED ELECTROCHROMIC DEVICES

ABSTRACT

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An electrochromic device comprising: (a) a first substantially transparent substrate having an electrically conductive material associated therewith; (b) a second substrate having an electrically conductive material associated therewith; (c) an electrochromic medium contained within a chamber positioned between the first and second substrates which comprises: (1) a solvent; (2) a cathodic electroactive material; (3) an anodic electroactive material, wherein at least one of the anodic and cathodic electroactive materials is electrochromic; and (4) a color-stabilizing additive, wherein the color-stabilizing additive is electroactive within a normal operating voltage of the electrochromic device; and (d) means associated with the color-stabilizing additive for maintaining an at least nearly colorless electrochromic device while the electrochromic device is in an open circuit and/or zero potential state relative to the same device without the color-stabilizing additive.